US EPA's Implementation of the Clean Water Act through its independent Applicability Policy Attempts to Ease the Administrative Burden of Water Quality Regulations

Leads to Administrative Exceedances of Water Quality Standards (Objectives) Where No Adverse Impacts on the Numbers, Types and Characteristics of Desirable Forms of Aquatic Life Occur, etc.

Requires Meeting Numeric Chemical-Specific Water Quality Objectives for Potentially Toxic Chemicals. Such as Heavy Metals, Even Though Properly Conducted Toxicity Tests Show That the Constituents of Concern Are in Non-Taxic Forms

US EPA Washington D.C. Recognizes This Problem and Has Proposed, as Part of its Announced Proposed Rule Making (ANPRM) for Water Qaulity Standards, to Try to Address This Issue

Environmental Groups Will Vigorously Oppose US **EPA Efforts Since It Would Complicate Their Ability** to Take Action against a Discharger Associated with Exceedance of a Water Quality Standard

The Agency Focuses on Regulating Chemicals Rather Than Chemical Impacts

> Potentially Toxic Chemicals vs. Measured Toxicity Can Readily Lead to Massive Waste of Public and Private Funds

> Should Be Using Best Professional Judgement, Weight of Evidence Approach in Which Appropriate Use of Chemical, Biological Impact and Organism Assemblage Information to Determine Whether Excessive Discharges of Constituents from a Regulated Source Could Occur or Are Occurring

Independent Applicability of Chemical and Biological Criteria/Standards and Effluent Toxicity Testing

G. Fred Lee. Ph.D., P.E. and Anne Jones-Lee, Ph.D.- G. Fred Lee & Associants/EnviroQeal -El Marcero, CA

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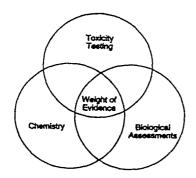
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The Problem with Independent Applicability

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APPROACHES TO WATER QUALITY-BASED **TOXICS CONTROL**



California Toxics Rule

Since the State of California Has Not Developed Water Quality Objectives (CA is the Only State That Does Not Have Standards) US EPA Must, in Accord with the Clean Water Act, Develop State Water Quality Standards for California

US EPA Region 9 Promulgates California Toxics Rule Based on US EPA 1986 "Gold Book" Criteria With 1995 Update

US EPA and WRCB Agreed That the US EPA Would Develop California Water Quality Criteria/Objectives for Implementation of the National Toxics Rule - Became California Toxics Rule

WRCB is to Develop an Implementation Approach for the California Toxics Rule

Draft Issued September 11, 1997 Supplement Issued October 16, 1997 Hearings to Be Held on November 17, 1997 in Scheduled for Adoption Spring 1998

Water Quality Criteria-Objectives That Will Be Developed as Part of the California Toxics Rule Will Continue to Significantly Over-Regulate the Discharge of Contaminants Associated with Dredging Operations and Dredged Sediment Disposal Overflow Waters

Many of the Chemicals of Concern in Dredged Sediment in Non-Toxic/Unavailable Forms

Aquatic Organism Exposure Conditions That Occur in a Water Column Associated with Dredging and Dredged Sediment Disposal Operations Are Short Compared to Those Used in Developing the Acute and Chronic Critical Concentrations for Aquatic Life Criteria

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